Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start		Rating **	Α	Issue No.		6	
LM End		Issue Type +	Ма	Location *		N/A	
Earthen Levee				GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Operations & Maintenance				0		0
пеш	Manuals					0	
DWR ID	DWR ID DWR_ST0012_01_s _ 2013_6						
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
Sacramento Maintenance Yard has copies of their O&M manuals.							

No Photos

LM Start		Rating **	Α	Issue No.		7	
LM End		Issue Type +	Ма	Location *		N/A	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Emergency Supplies &				0		0
пеш	Equipmen	nt			0		0
DWR ID	DWR_ST0	012_01_s _ 201	3_7				
		Comn	nent Cod	le			

No Photos

Inspector Comment Sacramento Maintenance Yard has a stockpile of flood response material.

LM Start		Rating **	Α	Issue No.		8	
LM End		Issue Type +	Ma	Location *		N/A	
Category Earthen Levee				GPS La	atitud	le/Longitude	
				Start		End	
Item	Flood Preparedness & Training				0		0
item	em				0		0
DWR ID	DWR_ST0	012_01_s _ 201	3_8				
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			

Sacramento Maintenance Yard has a written flood response plan and

No Photos

* Location

flood fight training.

LS : Land Side WS : Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	0.02	Rating **	A/W	Issue No.	. 26		
LM End	0.02	Issue Type +	Ma	Location *			
Category	Suppleme	ental		GPS La	atitud	le/Longitude	
Calegory	Start End						
Item	DWR UC	P LMA Respo	onsibility	38.5907	66 °	38.590766 °	
пеш				-121.6655	60 °	-121.665560 °	
DWR ID 17834							
	Comment Code						

Inspector Comment

DS_ID:17834 FS_ID:44903 EP_NO: 10130

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 01/08/2019 Received updated permit information for this crossing from D. Biswas with the CVFPB. The structure description has been updated with the correct abandonment permit information. (O. Magana - DWR UCIP)

05/02/2017 CVFPB Letter sent April 12, 2012 regarding Permit #10130 - Internal Inspections of Pipes Crossing State Plan of Flood Control Levee. Permit No. 10130 previously referenced in UCIP record was removed--permit does not reference 36-inch pipe. (O. Magana - DWR UCIP)

04/12/2017 Mud/debris on WS removed by JK, RF. (C. Lund - DWR Sacramento Yard)

05/05/2015 Removed debris from the outlet. (C. Lund - DWR Sacramento Yard)

09/19/2012 Minor debris blocking flap gate. Debris/log needs to be removed from the outlet. (P. Amatya - DWR UCIP)

FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Flap gate is located on the waterside (WS) end. (no permit was found authorizing 36-inch pipe [pipe is referenced in O&M Manual, Station 271+54]; 36-inch was authorized for abandonment under Permit No. 12789-1, 2018 - City of Davis) [Additional Reference(s): USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 4 (Station 271+54)] FS Date: 5/5/2015 8:02:11 AM

Photo 1 of 3: UCIP_SP_2020_44903_22882.jpg



Landside view- beyond grass area see drainage inlet

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	0.02	Rating **	A/W	Issue No.		26 (cont)
LM End	0.02	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	titud	e/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.59076	66°	38.590766 °
пеш				-121.66556	60°	-121.665560 °
DWR ID	17834					·



Waterside view- general view

LM Start	0.02	Rating **	A/W	Issue No.	26 (cont)
LM End	0.02	Issue Type +	Ma	Location *	



Waterside overview. Notice waterway.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	0.03	Rating **	A/W	Issue No.		27
LM End	0.03	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS Lat	ituc	le/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.59077	1 °	38.590771 °
пеш				-121.66586	0 °	-121.665860 °
DWR ID	17613					

Inspector Comment

Comment Code

DS_ID:17613 FS_ID:44904 EP_NO: 10309

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/19/2012 Abandoned in place. CMP filled with

concrete. (DWR UCIP - P. Amatya)

FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 16.5 feet below the crown. Flap gate is located on the waterside (WS) end. Manhole and grate are located on the landside (LS) toe. (30-inch pipe [HLM 0.01] authorized under Automatic Board Order (ABO) issued as Permit No. 10309, 1974 - City of Davis). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 4 (Station 270+70)]

FS Date: 5/5/2015 8:02:49 AM

LM Start	0.03	Rating **	A/W	Issue No.	27 (cont)
LM End	0.03	Issue Type +	Ma	Location *	



Waterside view- CMP grouted with concrete.



Waterside view- CMP grouted with concrete (closer view)

Location Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS: Land Side N/A: Not Applicable Acceptable N : Not Inspected/Rated WS : Water Side Minimally Acceptable C : Corrected U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	0.03	Rating **	A/W	Issue No.		27 (cont)
LM End	0.03	Issue Type +	Ma	Location *		
Category	Suppleme	GPS La	titud	le/Longitude		
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.59077	71 °	38.590771 °
пеш				-121.66586	° 06	-121.665860 °
DWR ID	17613					



Landside overview- pumping plant not related with this crossing.

LM Start	0.69	Rating **	М	Issue No.		21
LM End	1.01	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Vegetatio	n		38.5905	29 °	38.590431 °
пеш				-121.6780	22 °	-121.683842 °
DWR ID	DWR_ST0	012_01_s _ 202	0_21			
		Comn	nent Cod	de		
V1 : Contreasements		grass and wee	eds on th	e levee slo	pes	and
Inspector Comment						

No Photos

LM Start	0.69	Rating **	M	Issue No.		22	
LM End	1.01	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atituc	de/Longitude	
Category				Start		End	
Item	Vegetatio	n		38.590529		38.590431	c
пеш				-121.6780	27 °	-121.683842	c
DWR ID	DWR_ST0	012_01_s _ 202	0_22				
		Comn	nent Coo	de			
V1 : Contro	ol annual g	grass and wee	ds on th	e levee slo	pes	and	
easements	3.						
		Inspecto	or Comm	nent			

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	0.79	Rating **	A/W	Issue No.		28
LM End	0.79	Issue Type +	Ма	Location *		
Supplemental			GPS Latitude/Longitude			
Calegory				Start End		
Item	DWR UC	P LMA Respo	nsibility	38.59048	80 °	38.590480 °
пеш				-121.67979	90°	-121.679790 °
DWR ID	ID 17608					
		Comn	nent Cod	le		

Inspector Comment

DS_ID:17608 FS_ID:44907 EP_NO: 10313

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 LS - dump has it plugged, WS - ditch need to be established debris higher than water, inspected by JK, RF. (DWR Sacramento Yard - C. Lund)

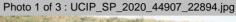
09/19/2012 Pipe sits on concrete saddle on WS. (DWR UCIP - P.

Amatya)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate is located on the waterside (WS) end. (24-inch pipe [HLM 0.79] authorized under Automatic Board Order (ABO) issued as Permit No. 10313, 1974 - Lear). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 2, 4 (Station 232+43)]

FS Date: 5/5/2015 8:06:14 AM

LM Start	0.79	Rating **	A/W	Issue No.	28 (cont)
LM End	0.79	Issue Type +	Ma	Location *	





Landside view- pipe and headwall

Photo 2 of 3: UCIP_SP_2020_44907_22893.jpg



Landside view- pipe and headwall closer view

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	0.79	Rating **	A/W	Issue No.		28 (cont)
LM End	0.79	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	nsibility	38.5904	80 °	38.590480 °
itelli				-121.6797	90 °	-121.679790 °
DWR ID	17608					



Waterside view

LM Start	1.52	Rating **	A/W	Issue No.		30
LM End	1.52	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory			Start		End	
Item	DWR UC	P LMA Respo	nsibility	38.59034	o °	38.590340°
item				-121.69336	° 0	-121.693360 °
DWR ID	17623					

Comment Code

Inspector Comment

DS_ID:17623 FS_ID:44929 EP_NO: 10310

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments:

FIELD_STRUCT_DESC: 20-inch steel drainage pipe sleeved though 30-inch corrugated metal pipe through the levee, 12.5 feet below the crown. 24-inch flap gate is located on the waterside (WS) end. (30-inch pipe [HLM 1.53] authorized under Automatic Board Order (ABO) issued as Permit No. 10310, 1974 - Hunt-Wesson Foods, Inc.) [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 2 (Station 192+88)]

FS Date: 5/5/2015 8:20:02 AM

Photo 1 of 3 : UCIP_SP_2020_44929_22929.jpg



Waterside view- pipe and flab gate

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	1.52	Rating **	A/W	Issue No.		30 (cont)
LM End	1.52	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.5903	40 °	38.590340
itelli				-121.6933	60°	-121.693360
DWR ID	17623					



Waterside view- 20-inch pipe sleeved into 30-inch pipe

LM Start	1.52	Rating **	A/W	Issue No.	30 (cont)
LM End	1.52	Issue Type +	Ma	Location *	



Waterside overview

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	2.01	Rating **	A/W	Issue No.		31		
LM End	2.01	Issue Type +	Ма	Location *				
Category	Supplemental Supplemental				GPS Latitude/Longitude			
Calegory				Start		End		
Item	DWR UC	P LMA Respo	onsibility	38.59039	o°	38.590390°		
пеш				-121.70247	o°	-121.702470 °		
DWR ID	17619							

Inspector Comment

Comment Code

DS_ID:17619 FS_ID:44937 EP_NO: 10307

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/26/2017 LS - removed debris and needs to be sprayed, work completed by JK, MH. (DWR Sacramento Yard - C. Lund) 04/12/2017 LS - good/clear, WS - little debris (handwork-cleared), inspected by JK, RF. (DWR Sacramento Yard - C. Lund) 05/28/2013 flap gate cleaned and standpipe repaired. (DWR Sacramento Yard - C. Lund)

09/19/2012 The 48-inch concrete manhole damaged - top ring knocked off in waterside. Debris found in waterside pipe. (DWR UCIP - P. Amatya)

FIELD_STRUCT_DESC: 24-inch drainage pipe of unknown material through the levee, 10 feet below the crown. Flap gate is located on the waterside (WS) end. Concrete headwall is located on the WS and landside (LS) ends. Slide gate is located inside a 48-inch manhole located on the WS slope. (24-inch pipe [HLM 2.04] authorized under Automatic Board Order (ABO) issued as Permit No. 10307, 1974 - Beckman). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 2 (Station 165+69)]

FS Date: 5/5/2015 8:25:25 AM

LM Start	2.01	Rating **	A/W	Issue No.	31 (cont)
LM End	2.01	Issue Type +	Ma	Location *	



Landside view- concrete pipe and headwall.

Photo 2 of 3: UCIP_SP_2020_44937_22949.jpg



Landside view- debris

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence
D: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	2.01	Rating **	A/W	Issue No.	31 (cont)		
LM End	2.01	Issue Type +	Ма	Location *			
Supplemental				GPS Lat	ituc	le/Longitude	
Calegory	Category			Start		End	
Item	DWR UC	P LMA Respo	nsibility	38.59039	0 °	38.590390°	
пеш			-121.70247	o°	-121.702470 °		
DWR ID	17619						



Waterside view- concrete manhole.

LM Start	2.36	Rating **	С	Issue No.		18
LM End	2.36	Issue Type +	Ма	Location *		WS
Cotogony	Earthen Levee				atitud	le/Longitude
Category				Start		End
Item	Encroach	ments		38.5904	34 °	38.590434 °
пеш				-121.7089	37° -121.70893	
DWR ID DWR_ST0012_01_s _ 2019_18						
		Comn	nent Cod	de		
DE : Debri	s					
			_			
		Inspecto	or Comm	nent		
A mattress	s on the wa	aterside slope	needs r	emoval.		

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	art 2.92 Rating ** M		Issue No.		32		
LM End	2.92	Issue Type + Ma		Location *			
Supplemental				GPS La	tituc	le/Longitude	
Calegory	Category					End	
Item	DWR UC	P LMA Respo	onsibility	38.59058	o°	38.590580 °	
пеш			-121.71922	0°	-121.719220 °		
DWR ID	VR ID 17620						

Inspector Comment

Comment Code

DS_ID:17620 FS_ID:55422 EP_NO: 10311

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 11/01/2019 Received information from Vincent Rodriguez - FMO that this pipe was lined using the CIPP method on April 18, 2019. Removed Urgent status and will follow up with inspection photo. (O.Yakimov - DWR UCIP)04/09/2019 Grouted 10-foot into the pipe on the WS. Internal inspection has been completed and it shows major erosion of pipe. Recommend complete removal and replacement. Pipe is in a section of major county road (Road 29). (J. McCabe - DWR Sacramento Yard)04/12/2017 good/clear on LS & WS, inspected by JK, RF. (DWR Sacramento Yard - C. Lund) 05/28/2013 Some small vegetation removal is needed on landside of the levee. (DWR Sacramento - C. Lund)

09/19/2012 Vegetation removal on landside of the levee. (DWR UCIP - P. Amatya)

FIELD_ŚTRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Flap gate is located on the waterside (WS) end. (24-inch pipe [HLM 2.95] authorized under Automatic Board Order (ABO) issued as Permit No. 10311 - Ittner and Harlan). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 1 (Station 118+00)]

FS Date: 11/1/2019 8:16:07 AM

LM Start	2.92	Rating **	М	Issue No.	32 (cont)
LM End	2.92	Issue Type +	Ma	Location *	



Landside view- inlet structure

Photo 2 of 3: UCIP_SP_2020_55422_22961.jpg



Landside view- concrete headwall

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

C: Corrected Ob: Design & System Obsolescence

C: Corrected CR: AW: Acceptable but Monitor & Maintain Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	2.92	Rating **	М	Issue No.		32 (cont)	
LM End	2.92	Issue Type +	Ma	Location *			
Supplemental				GPS Latitude/Longitude			
Category				Start		End	
Item	DWR UCI	P LMA Respo	onsibility	38.5905	80 °	38.590580 °	
itelli				-121.7192	20 °	-121.719220 °	
DWR ID	17620						



Landside view- vegetation around inlet.

LM Start	2.93	Rating **	М	Issue No.		10			
LM End	3.00	Issue Type +	Ма	Location *		LS			
Earthen Levee			GPS Latitude/Longitude						
Category				Start		End			
Item	Erosion /	Erosion / Bank Caving				38.590653 °			
пеш				-121.7193	49 °	-121.720714 °			
DWR ID	DWR ID DWR_ST0012_01_s _ 2015_10								
		Comn	nent Cod	de					
E1 : Note a	and monito	or erosion site							
	Inspector Comment								
There appears to be runoff on the landside slope.									

Photo 1 of 1: SP_2020_ST0012_295_10_20200409_00036.jpg



View of erosion on the landside slope. Spring 2020.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	3.05	Rating **	М	Issue No.		33
LM End	3.05	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UC	DWR UCIP LMA Responsibility			°	38.590612 °
пеш				-121.721689	°	-121.721689 °
DWR ID	17621					

Inspector Comment

Comment Code

DS ID:17621 FS_ID:55421 EP_NO: 10312

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 11/01/2019 Received information from Vincent Rodriguez - FMO that this pipe was removed and replaced. Removed Urgent status and will follow up with inspection photo. (O.Yakimov -DWR UCIP)04/09/2019 Internal inspection has been completed and inspection shows major erosion on the WS outlet. Recommend complete removal and replacement. Pipe is in a section of major county road (Road 29). (J. McCabe - DWR Sacramento Yard) 04/12/2017 good/clear on LS & WS, inspected by JK, RF. (DWR Sacramento Yard - C. Lund)

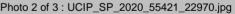
09/19/2012 Depressions on waterside slope of the levee. (DWR UCIP -P. Amatya)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Flap gate is located on the waterside (WS) end. (24-inch pipe [HLM 3.08] authorized under Automatic Board Order (ABO) issued as Permit No. 10312, 1974 Kelly). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 1 (Station 110+97)]

FS Date: 11/1/2019 8:12:10 AM						
LM Start	3.05	Rating **	М	Issue No.	33 (cont)	
LM End	3.05	Issue Type +	Ма	Location *		



Waterside view- pipe and flap gate.





Waterside view- pipe and flap gate (close view).

Location Ma : Maintenance Deficiancy LS: Land Side N/A: Not Applicable Acceptable N : Not Inspected/Rated WS : Water Side Minimally Acceptable Ob : Design & System Obsolescence C : Corrected U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	3.05	Rating **	М	Issue No.		33 (cont)
LM End	3.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	38.5906	12 °	38.590612 °
item				-121.72168	39 °	-121.721689 °
DWR ID	17621					



Landside view- pipe and concrete headwall.

LM Start	3.55	Rating **	A/W	Issue No.		34	
LM End	3.55	Issue Type +	Ма	Location *			
Category	ental	GPS Latitude/Longitude					
Calegory				Start		End	
Item	DWR UC	DWR UCIP LMA Responsibility				38.590680 °	
item				-121.73072	o °	-121.730720 °	
DWR ID	DWR ID 17622						
Comment Code							

Inspector Comment

DS_ID:17622 FS_ID:44947 EP_NO: 10316

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 good/clear on LS & WS, inspected by JK,

RF. (DWR Sacramento Yard - C. Lund)

05/28/2013 Debris on waterside flap gate has been removed. (DWR Sacramento Yard - C. Lund)

09/19/2012 Debris on waterside flap gate. Needs debris removal from

the pipe. (DWR UCIP - P. Amatya)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe
through the levee, 11 feet below the crown. Flap gate is located on the
waterside (WS) end. Concrete pad is located on the WS. (24-inch pipe
[HLM 3.57] authorized under Automatic Board Order (ABO) issued as
Permit No. 10316, 1974 - Stafford). [Additional Reference(s): DWR
Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow
Slough Channel Relocation and Levee Construction, February 1947,
Drawing No. 50-4-2281 Sheet 1 (Station 85+00)]

FS Date: 5/5/2015 8:38:32 AM

Photo 1 of 3 : UCIP_SP_2020_44947_22984.jpg



Waterside view- overview

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	3.55	Rating **	A/W	Issue No.		34 (cont)
LM End	3.55	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.59068	30 °	38.590680 °
пеш				-121.73072	20 °	-121.730720 °
DWR ID	17622					



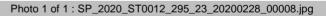
Waterside view- pipe, flap gate and debris.

LM Start	3.55	Rating **	A/W	Issue No.	34 (cont)
LM End	3.55	Issue Type +	Ma	Location *	



Waterside view- pipe, flap gate and debris. The pipe sits on concrete saddle.

3.69	Rating **	M	Issue No.		23			
3.69	Issue Type +	Ма	Location *		WS			
Earthen L	evee		GPS La	atitud	e/Longitude			
			Start		End			
Erosion /	Bank Caving		38.5916	99 °	38.591699 °			
			-121.7330	66 °	-121.733066 °			
DWR ID DWR_ST0012_01_s _ 2019_23								
	Comn	nent Cod	le					
E2 : Schedule repair of erosion site prior to the next inspection.								
	Inspecto	or Comm	ent					
be runoff	erosion on the	e waters	ide slope a	nd to	e road.			
	3.69 Earthen Le Erosion / I DWR_STOO dule repair	3.69 Issue Type + Earthen Levee Erosion / Bank Caving DWR_ST0012_01_s _ 201 Comm dule repair of erosion site Inspector	3.69 Issue Type + Ma Earthen Levee Erosion / Bank Caving DWR_ST0012_01_s _ 2019_23 Comment Cocdule repair of erosion site prior to	3.69 Issue Type + Ma Location * Earthen Levee GPS La Start Erosion / Bank Caving 38.5916 -121.7330 DWR_ST0012_01_s _ 2019_23 Comment Code dule repair of erosion site prior to the next in Inspector Comment	3.69 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Erosion / Bank Caving 38.591699 ° -121.733066 ° DWR_ST0012_01_s _ 2019_23 Comment Code dule repair of erosion site prior to the next inspect			





View of hole on the toe road. Spring 2019.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	04/07/2020 04/07/2020	Zach Jojola

LM Start	3.86	Rating **	М	Issue No.		24	
LM End	5.02	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS La	atitud	le/Longitude		
Calegory				Start		End	
Item	Vegetation			38.5937	20°	38.600019	0
item			-121.734869		69°	-121.752600	0
DWR ID	DWR_ST0	012_01_s _ 202	0_24				
		Comn	nent Cod	de			
V1 : Contro easements		grass and wee	eds on th	e levee slo	pes	and	
		Inspect	or Comm	nent			

No Photos

LM Start	3.86	Rating **	М	Issue No.	25	
LM End	5.04	Issue Type +	Ma	Location *	WS	
Category Earthen Levee				GPS Latitude/Longitude		
Calegory			Start		End	
Item	Vegetatio	n		38.59372	20 °	38.600025 °
item				-121.73486	69°	-121.752964 °
DWR ID DWR_ST0012_01_s _ 2020_25						
		Comn	nent Coc	le		

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	3.88	Rating **	M	Issue No.		20
LM End	3.92	Issue Type +	Ma	Location *	LS	
Category Earthen Levee				GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	Slope Sta	bility		38.59388	86 °	38.594355 °
item				-121.73498	86 °	-121.735409 °
DWR ID	DWR_ST0	012_01_f _ 2019	9_20			

Comment Code S1: Repair slope instability.

Inspector Comment

Appears to be many sinkholes on the landside slope.

Photo 1 of 1: SP_2020_ST0012_295_20_20200228_00007.jpg



View of sinkholes on the landside slope. Fall 2019.

* Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS : Land Side A : Acceptable
M : Minimally Acceptable
U : Unacceptable N : Not Inspected/Rated N/A: Not Applicable WS : Water Side C : Corrected A/W : Acceptable but Monitor & Maintain En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	0.05	Rating **	М	Issue No.		32
LM End	1.32	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.5990	51 °	38.592109 °
пеш	-121.7536				03 °	-121.734446 °
DWR ID	DWR_ST0	012_02_s _ 202	0_32			
		Comn	nent Coo	de		
V1 : Contro easements		grass and wee	eds on th	e levee slo	oes	and
		Inspecto	or Comm	nent		

No Photos

LM Start	0.09	Rating **	М	Issue No.		31	
LM End	1.43	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory				Start	End		
Item	Vegetation			38.5991	06 °	38.590791 °	
пеш				-121.7527	56 °	-121.733069 °	
DWR ID	DWR ID DWR_ST0012_02_s _ 2020_31						
Comment Code							
V1 : Contro	ol annual g	grass and wee	ds on th	e levee slo	oes a	and	

No Photos

Inspector Comment

easements.

CR : Crown

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	0.83	Rating **	A/W	Issue No.		45	
LM End	0.83	Issue Type +	Ма	Location *			
Category			GPS Latitude/Longitude				
Calegory				Start		End	
Item	DWR UC	P LMA Respo	onsibility	38.59781	3°	38.597813	0
пеш					3°	-121.739636	0
DWR ID	534						

Inspector Comment

Comment Code

DS_ID:534 FS_ID:45286 EP_NO: 10327

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 WS & LS - good/clear, inspected by JK,

RF. (DWR Sacramento Yard - C. Lund)

05/24/2013 Flap gate repaired. (DWR Sacramento Yard - C. Lund) 09/20/2012 Flap gate is not properly closing. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated drainage pipe through the levee, 17.5 feet below the crown. Flap gate is located on the waterside (WS) slope. (24-inch pipe [HLM 0.78] authorized under Automatic Board Order (ABO) issued as Permit No. 10327 - Heidrick). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 1 (Station 47+00)]

FS Date: 5/14/2015 1:36:52 PM

LM Start	0.83	Rating **	A/W	Issue No.	45 (cont)
LM End	0.83	Issue Type +	Ma	Location *	



Waterside view- concrete headwall and CM pipe

Photo 2 of 3: UCIP_SP_2020_45286_22460.jpg



Waterside view- overview

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	0.83	Rating **	A/W	Issue No.		45 (cont)
LM End	0.83	Issue Type +	Ma	Location *		
Category Supplemental			GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.5978	13 °	38.597813 °
пеш				-121.7396	36 °	-121.739636 °
DWR ID	534					



Waterside view- CM pipe and flap gate.

LM Start	1.11	Rating **	A/W	Issue No.		23
LM End	1.11	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	titud	le/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		38.59450	08°	38.594508 °
пеш						-121.736612 °
DWR ID	DWR_ST0	012_02_f _ 201	9_23			
		Comn	nent Cod	de		
E1: Note a	and monito	or erosion site				
Inspector Comment						
Minor rills are located on the waterside slope.						

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	1.21	Rating **	A/W	Issue No.		46
LM End	1.21	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.59339	0 °	38.593390°
пеш				-121.73560	0 °	-121.735600 °
DWR ID	536					

Inspector Comment

Comment Code

DS_ID:536 FS_ID:13725 EP_NO: 10331

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 WS & LS - good/clear, inspected by JK,

RF. (DWR Sacramento Yard - C. Lund)

09/20/2012 Landside- upper corner of headwall was chipped off. (DWR

UCIP - P. Amatya)

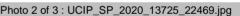
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate is located on the waterside (WS) end. (24-inch pipe [HLM 1.15] authorized under Automatic Board Order (ABO) issued as Permit No. 10331, 1974 - Lavezzo). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 1 (Station 66+98)]

FS Date: 5/24/2013 8:22:08 AM

LM Start	1.21	Rating **	A/W	Issue No.	46 (cont)
LM End	1.21	Issue Type +	Ma	Location *	



Waterside view- flap gate and CM pipe





Landside view- concrete headwall and pipe

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	1.21	Rating **	A/W	Issue No.		46 (cont)
LM End	1.21	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	nsibility	38.59339	90 °	38.593390
item				-121.73560	00°	-121.735600 °
DWR ID	536					



Landside view- concrete headwall corner chipped off

Photo 1 of 1: SP_2020_ST0012_296_24_20200409_00050.jpg

LM Start	1.40	Rating **	A/W	Issue No.		24	
LM End	1.40	Issue Type +	Ma	Location *		WS	
Earthen Levee			GPS Latitude/Longitude				
Calegory	Category					End	
Item	Erosion /	Bank Caving		38.59109	92 °	38.591092 °	
пеш			-121.73347	71 °	-121.733471 °		
DWR ID DWR_ST0012_02_f _ 2019_24							
Comment Code							

Comment Co

E1: Note and monitor erosion site.

Inspector Comment

Erosion on the waterside slope and toe road. Recommend monitoring.



View of erosion within the waterside toe road. Spring 2020.

LM Start	1.43	Rating **	A/W	Issue No.		25		
LM End	1.43	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Erosion /	Bank Caving		38.59088	33 °	38.590883	0	
item				-121.73318	32 °	-121.733182	0	
DWR ID	DWR_ST0	012_02_f _ 2019	9_25					
		Comn	nent Coo	le				

-4 11 1 11 11

E1 : Note and monitor erosion site.

Inspector Comment

Erosion on the waterside toe road. Recommend monitoring.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	1.48	Rating **	A/W	Issue No.		29	
LM End	1.48	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		38.5904	14 °	38.590414°	
пеш			-121.7323	61 °	-121.732361 °		
DWR ID DWR_ST0012_02_s _ 2020_29							
		Comn	nent Cod	de			
E1 : Note a	and monito	or erosion site					
Inspector Comment							
Rills on the landside slope.							



View of rills on the landside slope. Spring 2020.

LM Start	1.50	Rating **	A/W	Issue No.		35
LM End	1.50	Issue Type +	Ma	Location *		WS
Category	Earthen Levee			GPS La	atituc	le/Longitude
Calegory			Start		End	
Item	Erosion / Bank Caving			38.5903	14 °	38.590314 °
item			-121.7320	90°	-121.732090 °	
DWR ID	DWR_ST0	012_02_s _ 202	0_35			·

Comment Code

E1: Note and monitor erosion site.

Inspector Comment

Minor erosion on the waterside toe road.

No Photos

LM Start	2.44	Rating **	A/W	Issue No.		28	
LM End	2.44	Issue Type +	Ma	Location *	WS		
Category	GPS Latitude/Longitude						
Calegory		Start	End				
Item	Erosion /	Bank Caving	Bank Caving		44 °	38.589744	0
пеш			-121.7148	07 °	-121.714807	0	
DWR ID	DWR_ST0	012_02_s _ 202	0_28				

Comment Code

E1: Note and monitor erosion site.

Inspector Comment

Runoff on the waterside toe road is causing erosion. Recommend monitoring.

Photo 1 of 1: SP_2020_ST0012_296_28_20200228_00007.jpg



View of erosion on the waterside toe road. Spring 2019.

Location LS: Land Side

WS : Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	2.75	Rating **	М	Issue No.		19	
LM End	2.75	Issue Type +	Ma	Location *		WS	
Category	evee	GPS La	atitud	le/Longitude			
Calegory						End	
Item Erosion / Bank Caving			38.5897	14 °	38.589714 °		
item				-121.708946 °		-121.708946 °	
DWR ID DWR_ST0012_02_f _ 2019_19							
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
Inspector Comment							
Erosion on waterside toe road.							



View of erosion on waterside toe road. Spring 2020.

LM Start	2.76	Rating **	A/W	Issue No.		20
LM End	2.76	Issue Type +	Ma	Location *		WS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory			Start		End	
Animal Control				38.5897	11 °	38.589711 °
iteiii			-121.7087	98 °	-121.708798 °	
DWR ID	DWR_ST0	012_02_f _ 2019	9_20			·

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Appears to be a single rodent hole on the waterside hinge point. Recommend monitoring.

No Photos

	LM Start	2.82	Rating **	M	Issue No.		10		
	LM End	2.82	Issue Type +	Ма	Location *	WS			
	Category	Earthen L	evee	GPS Latitude/Longitude					
	Calegory				Start		End		
	Item	Erosion /	rosion / Bank Caving		38.58969	91 °	38.589691	٥	
пеш				-121.70774	10°	-121.707740	٥		
DWR ID DWR_ST0012_02_f _ 2014_10									
	Comment Code								

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

There is erosion on the waterside toe road.

Photo 1 of 1: SP_2020_ST0012_296_10_20200409_00052.jpg



View of erosion on waterside toe road. Spring 2020.

Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS: Land Side N/A: Not Applicable : Acceptable : Minimally Acceptable N : Not Inspected/Rated WS : Water Side C : Corrected U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

	I					
LM Start	2.92	Rating **	М	Issue No.		30
LM End	2.92	Issue Type +	Ma	Location *		WS
Category	evee	GPS La	atitud	e/Longitude		
Category			Start		End	
Item Erosion / Bank Caving			38.5896	72 °	38.589672 °	
Item				-121.7059	29 °	-121.705929 °
DWR ID DWR_ST0012_02_s _ 2019_30						
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.
		Inspecto	or Comm	nent		
There is erosion on the waterside toe road.						



View of erosion within the waterside toe road. Spring 2020.

LM Start	2.97	Rating **	A/W	Issue No.		48	
LM End	2.97	Issue Type +	Ma	Location *			
Category	ental		GPS Latitude/Longitude				
Calegory				Start		End	
ltom	DWR UC	P LMA Respo	onsibility	38.58968	30 °	38.589680 °	
пеш	Item				10°	-121.705040 °	
DWR ID 538							
	Comment Code						

Inspector Comment

DS_ID:538 FS_ID:45291 EP_NO: 10328

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: 04/12/2017 WS & LS - good/clear, inspected by JK,

RF. (DWR Sacramento Yard - C. Lund)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate is located on the waterside (WS) end. (24-inch pipe [HLM 2.90] authorized under Automatic Board Order (ABO) issued as Permit No. 10328, 1974 - Heidrick). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 2 (Station 158+69)]

FS Date: 5/14/2015 1:40:56 PM



Landside view- concrete headwall and pipe (temporarily closed used wooden planks).

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	2.97	Rating **	A/W	Issue No.		48 (cont)
LM End	2.97	Issue Type +	Ma	Location *		
Category				GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.5896	80 °	38.589680 °
itelli				-121.7050	40 °	-121.705040 °
DWR ID	538					



Landside view- concrete headwall

LM Start	2.97	Rating **	A/W	Issue No.	48 (cont)
LM End	2.97	Issue Type +	Ma	Location *	



Landside view- open ditch.

LM Start	3.24	Rating **	A/W	Issue No.		36		
LM End	3.24	Issue Type +	Ма	Location *		WS		
Category	evee	GPS Latitude/Longitude						
Calegory	Category					End		
Item Erosion / Bank Caving				38.5896	32 °	38.589632 °		
Item	item				24 °	-121.700024 °		
DWR ID	DWR ID DWR_ST0012_02_s _ 2020_36							
		Comn	nent Cod	de				
E1 : Note a	and monito	or erosion site						
			_					
		Inspecto	or Comm	nent				
Erosion on	Erosion on the waterside toe road. Recommend monitoring.							

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	3.32	Rating **	A/W	Issue No.		21		
LM End	3.32	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion /	Bank Caving		38.5896	34 °	38.589634 °		
пеш				-121.6985	70 °	-121.698570 °		
DWR ID	DWR_ST0	012_02_f _ 2019	9_21					
		Comn	nent Coc	de				
E1 : Note a	and monito	or erosion site						
	Inspector Comment							
Erosion on	the water	side toe road.	Recom	mend monit	orin	g.		
	-							

No Photos

LM Start	3.36	Rating **	A/W	Issue No.		37	
LM End	3.36	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS La	titud	le/Longitude		
Calegory	Category				Start		
Item	Erosion /	Bank Caving		38.58960)9 °	38.589609 °	
пеш				-121.69767	74 °	-121.697674 °	
DWR ID DWR_ST0012_02_s _ 2020_37							
Comment Code							

No Photos

E1 : Note and monitor erosion site.

Inspector Comment

Erosion on waterside toe road. Recommend monitoring.

LM Start	3.47	Rating **	A/W	Issue No.	38		
LM End	3.47	Issue Type +	Ma	Location *		WS	
Category	, Earthen L	evee		GPS La	titud	e/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		38.58959	91 °	38.589591	0
пеш				-121.69574	48 °	-121.695748	0
DWR ID	DWR_ST0	012_02_s _ 202	20_38				
		Comn	nent Cod	de			
E1 : Note	and monito	or erosion site					

Inspector Comment

No Photos

Erosion on waterside toe road. Recommend monitoring.

*Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	3.56	Rating **	A/W	Issue No.		22	
LM End	3.56	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.5895	96 °	38.589596 °	
пеш				-121.6939	67 °	-121.693967 °	
DWR ID	DWR ID DWR_ST0012_02_f _ 2019_22						
		Comn	nent Cod	de			
E1: Note a	and monito	or erosion site					
		Inspecto	or Comm	nent			
Erosion on the waterside toe road. Recommend monitoring.							

No Photos

3.60 Rating ** С Issue No. LM Start 6 3.60 Issue Type + Ма Location * LS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 38.589552 ° 38.589552 ° -121.693408 ° -121.693408 ° DWR_ST0012_02_f _ 2017_6 DWR ID

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

There is a burrow hole on the landside slope near access ramp.

No Photos

* Location LS : Land Side N/A: Not Applicable WS : Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	3.61	Rating **	A/W	Issue No.		50
LM End	3.61	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS Lat	itud	e/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.58957	o°	38.589570
пеш				-121.69309	o°	-121.693090
DWR ID	541					

Inspector Comment

Comment Code

DS_ID:541 FS_ID:45294 EP_NO: 10335

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/20/2012 Landside view photos are missing. Daylight pipe is a steel pipe. The pipe through the levee may be a CMP. (DWR UCIP - P. Amatya)

FIELD_STRUCT_DESC: 1 of 2. 42-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate located on the waterside (WS) end. 42-inch pipe sleeved through a 48-inch corrugated metal pipe (CMP). (two 48-inch pipes [HLM 3.54] authorized under Automatic Board Order (ABO) issued as Permit No. 10335, 1974 - Snyder). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, (Station 192+80)] FS Date: 5/14/2015 1:41:55 PM

LM Start	3.61	Rating **	A/W	Issue No.	50 (cont)
LM End	3.61	Issue Type +	Ma	Location *	



Waterside overview- middle 42-inch pipe.

Photo 2 of 3: UCIP_SP_2020_45294_22788.jpg



Waterside overview-

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	3.61	Rating **	A/W	Issue No. 50 (cor		50 (cont)
LM End	3.61	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	nsibility	38.5895	70 °	38.589570 °
пеш				-121.69309	90 °	-121.693090 °
DWR ID	541					



Waterside view- 42-inch steel pipe and flap gate.

LM Start	3.61	Rating **	A/W	Issue No.		51	
LM End	3.61	Issue Type +	Ма	Location *			
Category	ental	GPS La	tituc	le/Longitude			
Calegory				Start		End	
Item	DWR UC	P LMA Respo	onsibility	38.58956	67 °	38.589567 °	
item				-121.69307	70 °	-121.693070 °	
DWR ID 17729							
Comment Code							

Inspector Comment

DS_ID:17729 FS_ID:45295 EP_NO: 10335

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 05/05/2017 48-inch pipe authorized under

ABO/Permit No. 10335. Reference has been verified and this crossing is referenced correctly. No records were found to support the additional of the 42-inch through the 48-inch pipe. (DWR UCIP - O. Magana) 09/20/2012 Daylight pipe looks like steel pipe. The pipe through the levee may be a CMP. Needs a landside view photos which is missing. This pipe may be a 42-inch pipe mentioned in ABO 10333. (DWR UCIP - P. Amatva)

FIELD_STRUCT_DESC: 2 of 2. 42-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate located on the waterside (WS) end. 42-inch pipe sleeved through a 48-inch corrugated metal pipe (CMP). (two 48-inch pipes [HLM 3.54] authorized under Automatic Board Order (ABO) issued as Permit No. 10335, 1974 - Snyder). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, (Station 192+88)]

FS Date: 5/14/2015 1:42:08 PM

Photo 1 of 3: UCIP_SP_2020_45295_22794.jpg



Waterside overview- far right 42-inch pipe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	3.61	Rating **	A/W	Issue No. 51 (d		51 (cont)	
LM End	3.61	Issue Type +	Ma	Location *			
Category	Supplemental			GPS La	tituc	le/Longitude	
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	onsibility	38.58956	67 °	38.589567	•
itelli			-121.69307	70 °	-121.693070	0	
DWR ID	17729						



Waterside view- 42-inch steel pipe and flap gate (right).

LM Start	3.61	Rating **	A/W	Issue No.	51 (cont)
LM End	3.61	Issue Type +	Ma	Location *	



Waterside overview- outlet structure.

LM Start	3.79	Rating **	A/W	Issue No.		39	
LM End	3.79	Issue Type +	Ма	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.5895	50°	38.589550 °	
item				-121.6898	81 °	-121.689881 °	
DWR ID	DWR_ST0	012_02_s _ 202	0_39				
		Comn	nent Cod	de			
E1 : Note	and monito	or erosion site					
		Inspecto	or Comm	nent			
Erosion or	waterside	toe road. Re	commen	d monitorin	ıg.		

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	4.10	Rating **	A/W	Issue No.		40	
LM End	4.10	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		38.5895	28 °	38.589528 °	
пеш				-121.6841	61 °	-121.684161 °	
DWR ID	DWR_ST0	012_02_s _ 202	0_40				
		Comn	nent Cod	de			
E1: Note a	and monito	or erosion site					
		Inspecto	or Comm	nent			
Erosion on	waterside	toe road. Re	commen	d monitorin	ıg.		

No Photos

Rating ** A/W Issue No. 41 LM Start 4.19 4.19 Issue Type + Location * WS LM End Earthen Levee GPS Latitude/Longitude Category End Start Erosion / Bank Caving 38.589529° 38.589529 Item -121.682353 ° -121.682353 DWR_ST0012_02_s _ 2020_41 DWR ID Comment Code E1: Note and monitor erosion site.

No Photos

Inspector Comment
Erosion on waterside toe road. Recommend monitoring.

LM Start	4.22	Rating **	A/W	Issue No.		42
LM End	4.22	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS La	titud	le/Longitude	
Calegory	Salegory			Start		End
Item	Erosion /	Bank Caving		38.58953	31 °	38.589531 °
item				-121.68188	35 °	-121.681885 °
DWR ID	DWR_ST0	012_02_s _ 202	0_42			
Comment Code						
Comment Code						

No Photos

E1: Note and monitor erosion site.

Inspector Comment

Erosion on waterside toe road. Recommend monitoring.

*Location

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
N : Not Inspected/Rated
M : Maintenance Deficiancy
Ob : Design & System Obsolescence
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

** Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	4.29	Rating **	A/W	Issue No.		52
LM End	4.29	Issue Type +	Ма	Location *		
Category Supplemental				GPS Latitude/Longitude		
Calegory			Start		End	
Item	DWR UC	P LMA Respo	onsibility	38.58953	0 °	38.589530 °
пеш				-121.68056	0 °	-121.680560 °
DWR ID	545					

Inspector Comment

Comment Code

DS_ID:545 FS_ID:45298 EP_NO: 10334

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 WS - good/clear, LS - good/clear needs to be cut and sprayed, inspected by JK, RF. (DWR Sacramento Yard -

C. Lund)

05/24/2013 Rodent activities on headwall is far from the levee. Inlet is across city of davis drainage ditch. Inlet was cleaned last fall. see picture. (DWR Sacramento Yard - C. Lund)

09/20/2012 May need video inspection as seen rodent activities on

headwall. (DWR UCIP - P. Amatya)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate is located on the waterside (WS) end. (24-inch pipe [HLM 4.21] authorized under Automatic Board Order (ABO) issued as Permit No. 10334 - Rhinehart) [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 2 (Station 228+46)]

FS Date: 5/14/2015 1:43:00 PM

LM Start	4.29	Rating **	A/W	Issue No.	52 (cont)
LM End	4.29	Issue Type +	Ma	Location *	



Waterside overview- pipe and flap gate with dense vegetation.

Photo 2 of 3: UCIP_SP_2020_45298_22804.jpg



Landside overview

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

C: Corrected Ob: Design & System Obsolescence

C: Corrected AW: Acceptable but Monitor & Maintain

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	4.29	Rating **	A/W	Issue No.		52 (cont)
LM End	4.29	Issue Type +	Ma	Location *		
Category	Catagon Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.5895	30°	38.589530 °
пеш				-121.6805	60°	-121.680560 °
DWR ID	545					



Enter photo 5 description or comment here.

LM Start	4.59	Rating **	М	Issue No.	53			
LM End	4.59	Issue Type +	Ма	Location *				
Supplemental				GPS Latitude/Longitude				
Category	Category					End		
Item	DWR UC	P LMA Respo	onsibility	38.58957	'5 °	38.589575 °		
пеш				-121.67495	60°	-121.674950 °		
DWR ID	546							
Comment Code								

Inspector Comment

DS_ID:546 FS_ID:45285 EP_NO: 10319

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 04/12/2017 WS & LS - good/clear, inspected by JK, RF. (DWR Sacramento Yard - C. Lund)

05/24/2013 Material removed from inlet last fall. Outlet cleared. (DWR Sacramento Yard - C. Lund)

09/20/2012 Soil and debris on inlet mouth. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate is located on the waterside (WS) end. (18-inch pipe [HLM 4.52] authorized under Automatic Board Order (ABO) issued as Permit No. 10319, 1974 - Bell) [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 4 (Station 244+47)]

FS Date: 5/14/2015 1:36:11 PM



Waterside view- pipe and flap gate.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	4.59	Rating **	М	Issue No.		53 (cont)
LM End	4.59	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory						End
Item	DWR UC	P LMA Respo	onsibility	38.5895	75 °	38.589575 °
пеш					50 °	-121.674950 °
DWR ID	546					

Photo 2 of 3: UCIP_SP_2020_45285_22811.jpg



Landside view- pipe and headwall.

LM Start	4.59	Rating **	М	Issue No.	53 (cont)
LM End	4.59	Issue Type +	Ma	Location *	



Landside view- soil and debris on mouth of the inlet pipe.

LM Start	4.63	Rating **	М	Issue No.		43				
LM End	6.07	Issue Type +	Ма	Location *	LS					
Category	Catagoria Earthen Levee			GPS La	atitud	le/Longitude				
Calegory				Start		End				
Item	Vegetatio	n		38.5895	80°	38.588997 °				
item				-121.6742	61 °	-121.647792 °				
DWR ID	DWR ID DWR_ST0012_02_s _ 2020_43									
		Comn	nent Cod	le						
V1 : Contre		grass and wee	eds on th	e levee slo	pes	and				
		Inspecto	or Comm	ent						

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	5.01	Rating **	A/W	Issue No.		33			
LM End	5.01	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Erosion /	Bank Caving		38.5895	73 °	38.589573			
пеш	-121.667				15 °	-121.667315			
DWR ID	DWR_ST0	012_02_f _ 201	9_33						
		Comn	nent Cod	de					
E1: Note a	and monito	or erosion site							
	Inspector Comment								
There is er	There is erosion on the waterside toe road. Recommend monitoring.								
	-								

No Photos

LM Start	5.05	Rating **	A/W	Issue No.		54	
LM End	5.05	Issue Type +	Ма	Location *			
Category	Suppleme	Supplemental			GPS Latitude/Longitude		
Calegory	Category			Start		End	
Item	DWR UC	P LMA Respo	onsibility	38.58956	o°	38.589560 °	
item			-121.66654	0 °	-121.666540 °		
DWR ID	548						

Comment Code

Inspector Comment

DS_ID:548 FS_ID:45301 EP_NO: 10321

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 WS - good/clear, inspected by JK, RF.

(DWR Sacramento Yard - C. Lund)

FIELD_STRUCT_DESC: 24-inch drainage pipe through the levee, 17 feet below the crown. Flap gate is located on the waterside (WS) end. (24-inch pipe [HLM 4.97] authorized under Automatic Board Order (ABO) issued as Permit No. 10321, 1974 - Campbell) [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 4 (Station 268+57)]

FS Date: 5/14/2015 1:44:17 PM



Landside view- overview

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	5.05	Rating **	A/W	Issue No.		54 (cont)
LM End	5.05	Issue Type +	Ma	Location *		
Category Supplemental GPS Latitude/Longit				le/Longitude		
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.5895	60°	38.589560°
lem		-121.6665	40 °	-121.666540 °		
DWR ID	548					



Waterside view- overview

LM Start	5.05	Rating **	A/W	Issue No.	54 (cont)
LM End	5.05	Issue Type +	Ma	Location *	



Waterside view- pipe and flap gate. Water was running in the pipe during the survey.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	5.40	Rating **	A/W	Issue No.		55
LM End	5.40	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.58954	°	38.589540 °
пеш			-121.66007	o°	-121.660070 °	
DWR ID	549					

Inspector Comment

Comment Code

DS_ID:549 FS_ID:45302 EP_NO: 10322

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 WS - submerged in water, inspected by

JK, RF. (DWR Sacramento Yard - C. Lund)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 17.5 feet below the crown. Flap gate is located on the waterside (WS) end. Concrete headwall with wing walls is located on WS. (24-inch pipe [HLM 5.32] authorized under Automatic Board Order (ABO) issued as Permit No. 10322, 1974 - Chew). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 4 (Station 287+19)]

FS Date: 5/14/2015 1:44:30 PM

LM Start	5.40	Rating **	A/W	Issue No.	55 (cont)
LM End	5.40	Issue Type +	Ma	Location *	



Landside view-overview



Waterside view-pipe and flap gate

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	5.40	Rating **	A/W	Issue No.		55 (cont)				
LM End	5.40	Issue Type +	Ма	Location *						
Catagony	Category Supplemental				Supplemental GPS Latitude/Lo				le/Longitude	
Calegory						End				
Item	DWR UCI	P LMA Respo	onsibility	38.5895	40 °	38.589540	٥			
пеш			-121.6600	70°	-121.660070	٥				
DWR ID	549									



Waterside view- overview

LM Start	5.57	Rating **	A/W	Issue No.		57
LM End	5.57	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR UC	P LMA Respo	nsibility	38.58952	° 0	38.589520°
item			-121.65686	° 0	-121.656860 °	
DWR ID	551				·	

Inspector Comment

Comment Code

DS_ID:551 FS_ID:45305 EP_NO: 10325

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 WS & LS - submerged in water,

inspected by JK, RF. (DWR Sacramento Yard - C. Lund) 09/20/2012 Slide gate on landside of the levee over the field. (DWR

UCIP - P. Amatya)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Flap gate is located on the waterside (WS) end. (24-inch pipe [HLM 5.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10325, 1974 - Ferris). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 4 (Station 296+34)]

FS Date: 5/14/2015 1:45:21 PM

Photo 1 of 3: UCIP_SP_2020_45305_22861.jpg



Landside view- inlet structure.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	5.57	Rating **	A/W	Issue No.		57 (cont)
LM End	5.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	38.5895	20 °	38.589520 °
пеш				-121.6568	60 °	-121.656860 °
DWR ID	551					



Landside view- concrete headwall and slide gate.

LM Start	5.57	Rating **	A/W	Issue No.	57 (cont)
LM End	5.57	Issue Type +	Ma	Location *	



Waterside view- overview.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	5.59	5.59 Rating ** A/W		Issue No.		58
LM End	5.59	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	atitud	e/Longitude
Calegory	Category					End
Item	DWR UC	P LMA Respo	onsibility	38.5895	20 °	38.589520 °
item			-121.6565	50°	-121.656550 °	
DWR ID	552					

Inspector Comment

Comment Code

DS_ID:552 FS_ID:45306 EP_NO: 10338

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 WS - submerged in water, inspected by

JK, RF. (DWR Sacramento Yard - C. Lund)
09/20/2012 Open inlet over the field. (DWR UCIP - P. Amatya)
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe
through the levee, 19 feet below the crown. Flap gate is located on the
waterside (WS) end. (36-inch pipe [HLM 5.51] authorized under
Automatic Board Order (ABO) issued as Permit No. 10325, 1974 Ferris) [Additional Reference(s): DWR Levee Log, 1990. USACE
Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation
and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet
4 (Station 297+26)]

FS Date: 5/14/2015 1:45:32 PM

LM Start	5.59	Rating **	A/W	Issue No.	58 (cont)
LM End	5.59	Issue Type +	Ma	Location *	



Waterside view- overview.

Photo 2 of 3: UCIP_SP_2020_45306_22872.jpg



Waterside view- pipe and flap gate.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	5.59	Rating **	A/W	Issue No.	58 (cont)	
LM End	5.59	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory				Start		End
DWR UCIP LMA Responsibility		38.5895	20 °	38.589520 °		
itelli				-121.6565	50 °	-121.656550 °
DWR ID	552					



Waterside view- pipe and flap gate.

LM Start	6.07	Rating **	A/W	Issue No.	59				
LM End	6.07	Issue Type +	Ма	Location *					
Category	Supplemental				GPS Latitude/Longitude				
Category				Start		End			
ltom	DWR UCIP LMA Responsibility			38.58904	o °	38.589040 °			
пеш	Item					-121.647870 °			
DWR ID	553								
Comment Code									

Inspector Comment

DS_ID:553 FS_ID:45307 EP_NO: 10325

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 04/12/2017 WS - submerged in water, inspected by JK, RF. (DWR Sacramento Yard - C. Lund)

09/20/2012 Outlet structure under water in waterside of the levee. No access to the inlet structure. (DWR UCIP - P. Amatya)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Flap gate is located on the waterside (WS) end. (24-inch pipe [HLM 5.98] authorized under Automatic Board Order (ABO) issued as Permit No. 10325, 1974 - Ferris) [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 4 (Station 328+51)]

FS Date: 5/14/2015 1:45:44 PM



Waterside view- overview

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	6.07	6.07 Rating ** A/W		Issue No.		59 (cont)	
LM End	6.07	Issue Type +	Ma	Location *			
Category				GPS Latitude/Longitude			
Calegory				Start		End	
DWR UCIP LMA Responsibility				38.5890	40 °	38.589040°	
пеш				-121.6478	70 °	-121.647870 °	
DWR ID	553				·		



Waterside view- outlet structure under the water.

LM Start	6.07	Rating **	A/W	Issue No.	59 (cont)
LM End	6.07	Issue Type +	Ma	Location *	



Landsideside view- overview

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	04/07/2020 04/07/2020	Zach Jojola

LM Start	7.01	Rating **	A/W	Issue No.		60	
LM End	7.01	Issue Type +	Ma	Location *			
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCIP LMA Responsibility			38.5757	50 °	38.575750 °	
пеш			-121.6464	20 °	-121.646420 °		
DWR ID	555						

Comment Code

Inspector Comment

DS_ID:555 FS_ID:45309 EP_NO: 10338

LM End

Repair Type: No Action Needed Crossing Status: Found

7.01

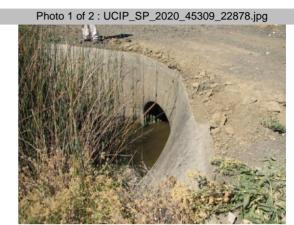
UCIP Comments: 04/12/2017 WS & LS - submerged in water, inspected by JK, RF. (DWR Sacramento Yard - C. Lund)
FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 23.5 feet below the crown. Flap gate is located on the waterside (WS) end. Concrete headwall with wing walls is located on the landside (LS). (42-inch pipe [HLM 6.92] authorized under Automatic Board Order (ABO) issued as Permit No. 10338, 1974 - Woodland Farms, Ltd) [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual Unit 120, Willow Slough Channel Relocation and Levee Construction, February 1947, Drawing No. 50-4-2281 Sheet 5 (Station 374+00)]
FS Date: 5/14/2015 1:46:34 PM

LM Start 7.01 Rating ** A/W Issue No. 60 (cont)

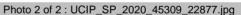
Ma

Location *

Issue Type +



Landside view- Wing wall and pipe





Waterside view-pipe and flap gate

* Location

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating

A : Acceptable
N : Not Inspected/Rated
M : Maintenance Deficiancy
Ob : Design & System Obsolescence
U : Unacceptable
A/W : Acceptable but Monitor & Maintain
En : Enforcement